

Curriculum Vitae of Dr. David S. Lemberg, AICP
Associate Professor, Department of Geography
Western Michigan University
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Research Expertise Areas

Urban and Regional Planning Recreational Trail Planning GIS and Decision Support
Systems

Landscape Ecology and Sustainable Development Optimization Modeling

Education

PhD, Geography, University of California at Santa Barbara 1998

MRP, Regional Planning, University of North Carolina at Chapel Hill, 1983

A.B., Political Economy of Industrial Societies, University of California at Berkeley, 1981

Academic Experience

9/03 - present Associate Professor, Department of Geography, Western Michigan
University

8/97 - 7/03 Assistant Professor, Department of Geography, Western Michigan
University

1/95 -6/97 Instructor, Department of Geography, University of California at Santa
Barbara

10/95 - 12/95 Graduate Researcher, National Center for Geographic Information
Analysis (NCGIA), University of California at Santa Barbara

4/83 - 7/83 Graduate Research Associate, Chapel Hill Transit, University of North
Carolina at Chapel Hill

Peer Reviewed Publications

- Lemberg D., "Environmental Perception" in Warf, B., *Encyclopedia of Geography*, Sage, 2010.
- Rizzolo, L., Middleton, P., Lemberg, D., & Rizzolo, M. 2008 "The World Peace Art Initiative: Strengthening Community through Arts, Sciences, and Technology, *The International Journal of Arts in Society*, 3(1), pp. 67-74.
- Baker, K. & Lemberg, D. 2008 "Fraxinus in a Great Lakes Urban Street Tree Community, Kalamazoo, Michigan, *The Michigan Botanist* 47(3) pp. 105-115.
- Lemberg, D. & Fraser, R., "The Residential Lakeshore Access Allocation Problem: Minimizing Barrier Effects on Shoreline Habitat Buffers", *Environmental Modeling & Assessment*, 10 2005, Pages 1 - 12
- Rizzolo, L & Lemberg, D. "World Peace Art Initiatives: Concepts and Collaborations through Arts, Science, and Technology", *Proceedings of the 2005 Hawaiian International Conference on Arts and Humanities*, 2005, Appendix A, pp. 1-11
- Lemberg, D., Fraser, R., Rizzolo, L., "Landscape Art: How Geographers and Artists can Collaborate in a Field", *The Journal of Creative Geography*, 6, 36-38, Summer 2004
- Lemberg, D., Spatial Analysis and Modeling for the School District Planning Problem, in *Worldminds*, Edited by D. Janelle, B., Warf, & K. Hansen, Kluwer Academic Publishers, Dordrecht, 2004, pp. 110-124
- Lemberg, D., Fraser, R., Marsch, J., Perceptions of Lakeshore Living,: Implications for Planning Sustainable Lakeshores, *Michigan Riparian*, 37(4) 8-10, 38(1) 8-11 2002-3
- Mau-Crimmins, T. & Lemberg, D., "Reserve Site Selection at a Non-Profit Educational Nature Center", *Great Lakes Geographer*, 10(1) 34-45 2003
- Rasmussen, T., Fraser, R., Lemberg, D., Regis, R. ., "Mapping Stamp Sand Dynamics: Gay Michigan", *Great Lakes Research*, 28(2) 2002
- Lemberg, D. & Stoltman, J., "Geography Teaching and the New Technologies: Opportunities and Challenges", *Journal of Education*, Volume 181, Number 3 1999
- Lemberg, D. & Church, R., "The School Boundary Problem Over Time: A Formulation for Spatio- Temporal Stability", *Socio-Economic Planning Sciences*, 34, 159-176, 2000
- Lemberg, D., "Gentleman Adventurers in the Information Age: Accessibility, Activity, and Urban Futures", Position Paper for NCGIA Research Conference on Spatial Technologies, Geographic Information, and the City, Baltimore, MD, 1997
- Montello, D. & Lemberg, D., "The Minotaur's Revenge: Geographic Disorientation in Caves", Refereed Proceedings, International Conference in Environment-Behavior Studies, Eindhoven, Netherlands, 1995

Book

Lember, D, Borr, M., & Kanclerz, L., State of Michigan Lake Michigan Leisure Corridor Map Set, 2012.

Lemberg, D. and Canby, C., Encyclopedia of Historic Places, 2nd Edition, 3 Volumes, Facts on File, New York, NY, 2007, 1604 pp.

Grants Received

07/13 – 06/14 PI, Michigan DEQ Coastal Zone Management Watertrails Planning Grant, \$17,805

05/13 – present PI, Michigan Watertrails Grant, Forensic Fluids Laboratories Grant, \$21,000

01/12 – 06/13 PI, Michigan DEQ Coastal Zone Management Grant, Lake Michigan Coastal Trail, \$59,000

07/11-6-12 WMU Faculty Research and Creative Activities Award, Visualizing a Multimodal Trail Around Lake Michigan, \$9,900

09/06 – 09/08 Hanes Foundation, Kalamazoo Ash Tree Replacement Model, \$6,900

04/07 – 06/08 Kalamazoo Community Foundation, Portage Creek Heritage Water Trail, \$4,800.00

1/05 – 12/06 PI, DEQ Coastal Zone Management Program Huron Coastal Heritage Water Trail, \$24,000

6/03 – 06/06 PI, Grant for AEP Corporation Michigan Heritage Water Trails Pilot, \$8,000

09/03 – 08/06 Co-PI with Dr. James Biles, Globalization and Sustainable Development in Latin America National Science Foundation Research Understanding for Undergraduates Program, \$190,890

10/01 - 09/03 Co-Investigator (with Drs. Deborah Che, Gregory Veeck, Department of Geography, Anne Veeck, Department of Marketing) Michigan Department of Agriculture, Determining the Impact of Agriculture-Based Tourism Destinations on Michigan's Tourism Economy to Justify State Travel office promotion Support - \$47,050

1/00 - 12/02 Co-PI with Dr. Rolland Fraser, WMU Environmental Institute, Asylum Lake Exotic Plant Survey - \$25,000

- 6/00 - 5/02 Co-Director (with Dr. Rolland Fraser, Department of Geography, Western Michigan University)
Kalamazoo Foundation: Sustainable Community Watershed Fund
Shoreline Residential Development and Landscape Planning for Sustained Watershed Biodiversity - \$14,769
- 9/99 - 2/02 Co-Prime Investigator (with Dr. Rolland Fraser, Department of Geography, Western Michigan University)
U.S. Environmental Protection Agency STAR FUTURES
GrantShoreline Residential Development and Landscape Planning for Sustained Watershed Biodiversity - \$104,072
- 8/98 - 7/00 Co-Investigator, NSF - SBIR Phase II Grant (with the ISERA Group, Santa Barbara, CA)
Design of a Spatial Decision Support System for the School District Planning Problem - \$350,000
- 1/97 - 6/97 Principal Investigator
NSF - SBIR Phase I Grant, Design of a Spatial Decision Support System for the School District Planning Problem - \$75,000

Previous Sabbatical Leaves

- 9/11 - 4/12 The primary sabbatical project was to inventory and map the Lake Michigan shoreline of Michigan for a water trail and tri-modal leisure corridor. The end products include a web site, a map atlas, and a 4-state conference on a Lake Michigan tri-modal corridor,
- 9/03 – 4/04 The primary sabbatical project was to launch the Michigan Heritage Water Trail program. This included work on implementing the first Heritage Water Trail in Michigan in St. Joseph County on the St. Joseph River, Portage River, and Nottawa Creek, as well as creating a website for the system and a set of materials on how to plan and implement Heritage Water trails. A secondary sabbatical project was researching and writing a major revision of the Encyclopedia of Historic Places (1st edition written in 1986).

Awards and Recognition

Technical Reports, Master Plans, and Papers Presented at Conferences and Symposia

Lemberg, D., “Applying a Tri-Modal Leisure Corridor to Little Cayman” CMT 2015 International Congress on Coastal and Marine Tourism, Kailua-Kona, HI, November, 2015

Lemberg, D., Pomeroy, G., Cusack, C., Long, S., “Preparing Planners for Current and Future Refugees: A Discussion on Curriculum”, 2016 Annual Meeting of the Association of American Geographers

Lemberg, D., “Coastal Access for Sea Kayaks - Issues of Location and Conflict Resolution”, 2015 Annual Meeting of the Association of American Geographers, Chicago, IL, April, 2015

Lemberg, D., “A Cellphone App for Collecting Travel Data: An Alternative to the Travel Diary”, 2014 AAG East Lakes/West Lakes Conference, Kalamazoo, MI, October 2014

Lemberg, D. and Banta, D., “CLOSING PLENARY - Integrating Trails Around the Lakes”, Great Lakes Lake Michigan Trails Conference, Saugatuck, MI, May, 2014

Lemberg, D. and Sandell, D. “Watertrails - Amenities and Signs”, Great Lakes Lake Michigan Trails Conference, Saugatuck, MI, May, 2014

Lemberg, D. and Halleck, J., “2014 Michigan DEQ Coastal Zone Project Reports, Lake Michigan Trail Android App”, Great Lakes Lake Michigan Trails Conference, Saugatuck, MI, May, 2014 Michigan DEQ Coastal Zone Project Reports

Lemberg, D. “The State of Water Trails in the Great Lakes – Lake Michigan”, Great Lakes Lake Michigan Trails Conference, Saugatuck, MI, May, 2014

Lemberg, D. “Tri-Modal Corridor Around the Great Lakes”, Great Lakes Lake Michigan Trails Conference, Saugatuck, MI, May, 2014

Lemberg, D., “Talk About No Little Recreation Plans: How Good Things Can Happen from a Conference” 2014 Annual Meeting of the Association of American Geographers, Tampa, FL, April, 2014

Lemberg, D.” Tri-Modal Leisure Corridors: A Novel Way to Enhance Recreation and Tourism on Rivers and Coastlines, 7th Canadian Heritage River Conference, Charlottetown, PEI June, 2013

Lemberg, D., Lewis, J., and Sullivan, V., “Something for Nothing, Something for Everyone – Introducing the Tri-Modal Leisure Corridor”, American Trails 2013 International Trails Symposium, April, 2013

Lemberg, D., “Evaluating Tri-Modal Leisure Corridors: Sustainable Recreation and Tourism Development or Greenwashed Road Trips” 2013 Annual Meeting of the Association of American Geographers, Los Angeles, April, 2013

Lemberg, D., Borr, M., “The Lake Michigan Coastal Corridor - Developing a Multimodal Trip Planning System”, Royal Geographical Society International Conference, Edinburgh, Scotland, July, 2012

Lemberg, D., “Linking Recreation and Tourism Resources and Infrastructure - Themed Routes and Trekking Corridors” 2012 Annual Meeting of the Association of American Geographers, New York, February, 2012

Lemberg, D. “The Lake Michigan Watertrail: Potential for a Tri-Modal Circle Route”, 2011 Annual Meeting of the Association of American Geographers, Seattle, WA, April, 2011.

Lemberg, D. "Workshop on Great Lakes Tourism - Multimodal Trails in the Great Lakes Basin", Canadian Studies Roundtable 2011 - Michigan, Indiana, Ohio, Kentucky, Kalamazoo, MI, March 2011

Lemberg, D. "The Lake Michigan Water Trail. Trail Planning. Economic Development", ELDAAG 2010, Grand Rapids, MI, October, 2010.

Lemberg, D., "Hollister California: Perceptions of Real Places Obscured by Mall Clothing" 2010 Annual Meeting of the Association of American Geographers, Washington, DC, April, 2010

Lemberg, D., et al., Water Trail Expert Panel, Post Conference Water Trails Workshop, Mid-America Trails and Greenways Conference, Kalamazoo, MI, October 2009

Lemberg, D., "Self Inflicted Disabilities: Impacts on Navigation and Perception", ELDAAG 2009, Dayton, OH October 2009

Lemberg, D., Lake Michigan Water Trail Panel, Chicago Water Trail Summit, Chicago, IL, October, 2009.

Lemberg, D. and Lewis, J. "Water Trails and River Stewardship: Planning After the Disaster", 6th Canadian River Heritage Conference, Ottawa, CA, June, 2009

Lemberg, D., "Capturing the Staycations: Integrating Recreational Planning and Economic Development" 2009 Annual Meeting of the Association of American Geographers, Las Vegas, NV March, 2009

Panel –Environmental Management Trends, 2009 Annual Meeting of the American Association of Geographers, Las Vegas NV March 2009

Lemberg, D. "Michigan's Heritage Water Trail Program: Economic, Ecological, and Social Benefits", National Trails Symposium, Little Rock AR, November 2008

Lemberg, D., "Self Inflicted Disabilities: Impacts on Navigation and Perception", ELDAAG 2009, Dayton, OH October 2009

Lemberg, D. & Lewis, J., "Staycations: Late Night Comedy or Significant Planning Problem?", ELDAAG 2008, St Catherines, ON October 2008

05/08 Lemberg, D. 2008 "Engaging County Planners with Your Blue Trail", River Network National River Rally, Huron OH.

03/08 Lemberg, D., "Network Algorithms and Cave Rescue" 2008 Annual Meeting of the Association of American Geographers, Boston, MA.

Lemberg, "Lake Michigan" and "Great Lakes", World Book Encyclopedia, 2007.

06/07 Lemberg, D., Projects and Problems: Location, Scale, and Precision in Citizen Science, Citizen Science Toolkit Conference, Ithaca, NY, June.

05/07 Lemberg, D., Michigan's Heritage Water Trail Program: Promoting Economic Development and Education Through Paddling, Current Perspectives: Canadian Heritage River Conference, Winnipeg, Manitoba, Canada.

04/07 Lemberg, D., Feasibility of Improving Aid to Heart Attack Victims with CPR-Trained Volunteers, Annual Meeting of the AAG, San Francisco, CA.

04/06 Lemberg, D. and Lewis, J., Michigan's Heritage Water Trail Program: Economic Development and Education Through Recreational Heritage Tourism, 18th Annual Northeastern Recreation Research Symposium, Bolton Landing, NY.

03/06 Lemberg, D., Implementing Coastal Heritage Water Trails in Michigan, Annual Meeting of the AAG, Chicago, IL.

03/06 Lemberg, D., The Random Field Drug Testing Problem, NIDA/AAG Symposium on Geography and Drug Addiction Preliminary Program, Chicago, IL.

11/05 Lemberg, D. and Lewis, J., Floating through Time and Space: Applying information technology to heritage tourism on Michigan's watertrails, Research Symposium on Societies and Cities in the Age of Instant Access, University of Utah Salt Lake City, UT.

08/05 Lemberg, D., An Inexpensive Planning Model for Implementing Heritage Water Trails in Michigan, Mid American Trails Conference, Minneapolis, MI.

07/05 Lemberg, D., "An Inexpensive Planning Model for Implementing Heritage Water Trails in Michigan", Mid America Trails Conference, Minneapolis, MN

03/05 Lemberg, D., "The River Country Heritage Water Trails Pilot Project", 2005 AAG Conference, Denver, CO

02/05 Lemberg, D., "The Michigan Heritage Water Trail Program", Michigan Parks and Recreation Conference 2005, Traverse City

10/04 Lemberg, D., "Michigan's Heritage Water Trail Program: A Model for a Statewide Program", 17th National Trails Symposium, Austin, TX

03/04 Lemberg, D., "The Michigan Heritage Water Trail Program: A Multiscale Approach to Economic Development", Annual Meeting of the Michigan Academy of Arts and Sciences", Grand Rapids, MI

03/04 Lemberg, D., "Heritage Water Trails for Education and Sustainable Development", 2004 AAG Conference, Philadelphia, PA

01/04 Lemberg, D., "Planning and Implementing Heritage Water Trails", Michigan Parks and Recreation Conference 2004, Grand Rapids

10/03 Lemberg, D., "A Heritage Water Trail System for the State of Michigan", Michigan River Alliance Annual Conference, Flint MI

06/03 Lemberg, D., "Report to the Legislature: Michigan's Heritage Water Trail Program", Michigan House and Senate Legislative Committees, Lansing, MI

02/03 Lemberg, D., "Flash Crowds: A Model for Explaining Student Riots in the United States", AAG 2003 Conference, New Orleans, LA

11/02 Lemberg, D., "A Multicriterion Mixed Integer Model for Riparian Buffer/Filter Strip Location", Regional Science Association International, San Juan, P.R.

11/02 Lemberg D. & Fraser, R., "Lakeshore living and Sustainability in Southwestern Michigan: Perceptions, Issues, and Mitigation", EPA National Center for Environmental Economics Seminar Series, Washington, D.C.

10/02 Lemberg, D., "Conservation Subdivision Design: Using Mixed-Integer Programming and GIS", Applied Geography Conference, Binghamton, NY

06/02 Lemberg, D., "Heritage Water Trails", State of the St. Joseph Watershed Conference, South Bend, Indiana

03/02 Lemberg, D. & Keyes, R., Defending Your Urban Nature Reserve from Bambi, AAG 2002 Conference, Los Angeles, CA

10/01 Lemberg, D. & Fraser, R., "Habitat Risk and Habit Restoration: Regulatory and Design Issues for Lakeshore in Southwestern Michigan", Society for Ecological Restoration International 2001, Niagara Falls, Canada

6/01 Lemberg, D. & Fraser, R., "Shoreline Residential Development and Landscape Planning for Sustainable Watershed Biodiversity" Kalamazoo Community Watershed Fund Annual Meeting, Kalamazoo, MI

4/01 Lemberg, D., "Modeling Native Habitat Restoration", Invited Talk, United State Geological Survey, Rolla, MO

3/01 Lemberg, D. "Modeling and Ethics", Invited Talk, Lee Honors College

3/01 Truchan, J, Fraser, R, & Lemberg D., "Assessing Lake Shoreline Landscapes with Aerial Photography", AAG 2001, New York, NY

3/01 Fraser, R. & Lemberg D., "Oblique Photographic Survey of Shoreline Residence Landscapes of Michigan Lakes", AAG 2001, New York, NY

3/01 Lemberg, D. & Fraser R., "Modeling for Lakeshore Accessibility", AAG 2001 Conference, New York, NY

11/00 Lemberg, D. & Fraser R., "The Residential Lakeshore Accessibility Problem", Regional Science Association International Annual Meetings, Chicago, IL

10/00 Lemberg, D. And Fraser, R., "GIS and GPS in Large Scale Art Design and Planning", World Peace Initiative, Starr Commonwealth School, Albion, MI

4/00 Lemberg, D., "Searching for Neighborhoods: Maximizing Similarity Indices to Find Better Baseline Boundaries for Urban Analysis", AAG 2000 Conference, Association of American Geographers, Pittsburgh, PA

11/99 Lemberg, D & Gerrard, R., "Forecasting Populations and Service Demand at the Neighborhood Scale", 46th North American Meetings Regional Science Association, Montreal, QU, Canada

9/99 Lemberg, D., Smith, C., & Sandell, D., "The Prototype Michigan Watertrail GIS", 4th Annual Joint Conference of the Michigan Chapter of the American Planning Association and Michigan Chapter of Planning Officials, Grand Rapids, MI

6/99 Lemberg, D. & Szylvian, K., "The South Branch Black River Water Trail: Putting Michigan into Spatio-Temporal Perspective", International Conference on Research in Geographic Education, San Marcos, TX

4/99 Lemberg, D. "The Subdivision Habitat Viability Problem", AAG 1999 Conference, Association of American Geographers, Honolulu, HI

10/98 Lemberg, D. "Planning and the Community: Learning Through Community Assistance", Annual Meeting, East Lakes Division, Association of American Geographers, Columbus, OH

9/98 Lemberg, D., "Trail Planning as a Teaching Tool", Pro Bike Pro Walk '98, Bicycle Federation of America, Santa Barbara, CA

3/98 Lemberg, D. & Church, R., "The School District Island Problem: Maximizing Contiguity", AAG 1998 Conference, Association of American Geographers, Boston, MA

10/97 Lemberg, D., "Spatial Complexity and Public Consensus: Defining the School District Planning Problem", Annual Meeting, East Lakes Division, Association of American Geographers, Lansing, MI

7/97 Lemberg, D., Church, R., Bloxham, C, & Gerrard, R., "Final Report: Design of a Spatial Decision Support System for the School District Planning", SBIR Phase I, The ISERA Group, Santa Barbara, CA

4/97 Lemberg, D. & Church, R., "The School District Planning Problem: A Spatio-Temporal Model", AAG 1996 Conference, Association of American Geographers, Fort Worth, TX

11/96 Lemberg, D. & Church, R., "Feasible Alternatives Generation in Collaborative Spatial Decision Making", GIS-LIS 96, Denver, CO

- 5/96 Lemberg, D. & Church, R., "The Long-Range School District Boundary Problem", INFORMS 96 Conference, Institute for Operations Research and Management Science, Washington D.C.
- 3/96 Lemberg, D., "A Multiobjective Model for Best Route Selection in Vehicle Navigation Systems", AAG 1996 Conference, Association of American Geographers, Charlotte, N.C.
- 10/95 Lemberg, D., Position Paper on Collaborative Spatial Decision Making, Expert Meeting for National Center for Geographic Information Analysis Research Initiative 17, Santa Barbara, CA
- 8/95 Lemberg, D. & Montello, D., "Wayfinding in Caves, People Underground, Summer 1995
- 4/95 Lemberg, D., "Spatial Decision Support Systems and Group Conflict: The Operator as a Mediator", AAG 1995 Conference, Association of American Geographers, Chicago, IL
- 3/94 Goodchild, M., Church, R., Cova, T., Gottsegen, J., & Lemberg, D., "Final Report: NCGIA Navigable Database Project", National Center for Geographic Information and Analysis, Santa Barbara, CA
- 8/93 Goodchild, M., Church, R., Cova, T., Gottsegen, J., & Lemberg, D., "Progress Report: NCGIA Navigable Database Project", National Center for Geographic Information and Analysis, Santa Barbara, CA
- 2/93 Lemberg, D., Principal Planner, Cotati-Rohnert Park Unified School District Long Range Master Plan, Educational Data Systems, Inc., San Jose, CA
- 11/92 Lemberg, D., Principal Planner, Davis Unified School District Long Range Master Plan, Educational Data Systems, Inc., San Jose, CA
- 9/92 Lemberg, D., Principal Planner, "Revised Antioch Unified School District Long Range Master Plan", Educational Data Systems, Inc., San Jose, CA
- 7/92 Lemberg, D., Principal Planner, "Ten Year Enrollment Projection, 1992-2002: Greater Albany (Oregon) Public Schools", Educational Data Systems, Inc., San Jose, CA
- 4/92 Lemberg, D., Principal Planner, "Justification Report for School Facility Fees: Commercial, Industrial, and Residential Development Projects", Educational Data Systems, Inc.
- 8/91 Lemberg, D., "GIS & School Facilities Planning", URISA 91 Conference, Urban and Regional Information Systems Association, San Francisco, CA
- 12/88,
- 3/89,
- 6/89 Lemberg, D. & Smith, E., "Microcomputer Applications for the School Facility Planner, CASBO Journal, Volume 53, Number 4, Volume 54, Numbers 1-2
- 5/88 Lemberg, D., Principal Planner, "Antioch Unified School District Long Range Master Plan", Educational Data Systems, Inc., Campbell, CA
- 6/87 Lemberg, D., Principal Planner, "Chinle Area Demographic Study", Educational Data Systems, Inc., Campbell, CA

Conferences Organized

May 2014 Great Lakes Trails Conference, Saugatuck, MI

November, 2012 Lake Michigan Trails Conference

Professional Experience and Consulting

1/97 - 8/00 Principal Planner, The ISERA Corporation, Santa Barbara, CA

Designed school district decision support system for development through SBIR grant including enrollment forecasting, capacity planning, alternatives generation, alternatives visualization, and alternative evaluation components.

10/86 - 3/93 Senior Planner, Educational Data Systems, Inc., San Jose, CA

Major roles in this position included Planning Consultant, Applications Software Engineer, and Planning Division Manager. Educational Data Systems is a consulting firm catering to public education. The School Planning Division marketed both software and consulting services. During my tenure at this position, the firm had over thirty client school districts, mainly in the Western U.S. I was responsible for product design and coding for a School District Facilities Planning Support System, ONPASS™, the installation and training for those systems in the field, and for the firms planning consulting practice (ie. creating Long Range Facility Master Plans or Developer Fee Justification Studies, or acting as an expert or a facilitator in District negotiating session or public hearings). Other roles included direction of a group of planning technicians, customer support, and marketing strategy.

Editing, refereeing, reviewing activities

Human Ecology, Towards Resource Efficiency: Institutional Assessment in Natural Resources Governance, Manuscript # HUEC-D-16-00115R1

Applied Geography, Tourism and Polycentric Development Based Upon Health and Recreational Tourism Supply, Manuscript # JAPG-D-16-00055

Socioeconomic Planning Sciences, Assessing the Impacts of Traditional School Year Calendar Start Dates, Manuscript # SEPS_2015_10

Geographical Analysis – Peer Reviewer - Designing reliable center systems: A vector assignment center location problem

Human Ecology – Peer Reviewer - Indigenous Ecological Knowledge, conservation status, and spatial distribution of *Sterculia setigera* Del. in Togo (West Africa)

Tourism Management – Peer Reviewer - Low-cost attraction, view and access indices for rural tourism evaluation derived from GIS data

Journal of Geographic Systems – Peer Reviewer - Corridor Location: the Multi-Gateway Shortest Path Model

Geographical Analysis – Peer Reviewer - MSW landfill site selection by combining AHP with GIS for Konya, Turkey

Socio-Economic Planning Sciences – Peer Reviewer - Optimization model for school allocation and resources assignment in a public education system

Applied Geography – Peer Reviewer - COMMUNITY PERCEPTION OF TEXAS WATER REUSE PROGRAMS

New York Seagrant – Grant reviewer - An Integrated Assessment of NY's Great Lakes recreational harbors

Human Ecology – Peer Reviewer – “ORDINARY VULNERABILITIES AND RESPONSES, FUTURE ADAPTABILITY TO WATER CRISES IN THE MALIEN SAHEL (GOURMA)”

Environment, Development, and Sustainability – Peer Reviewer – “Effects of Marketing and Trading Activities on the Volta Lake Shore Environment in Ghana”

Applied Geography Conference Proceedings, Peer Reviewer, unnamed manuscript on “Community Perception of Texas Water Reuse Programs”

Journal of Tourism Management, Peer Reviewer, “Mitigating Theme-Park Crowding with Incentives and Information on Mobile Devices”

Journal of Tourism Management, Peer Reviewer, “Evaluating spatial centrality for integrated management in rural areas using GIS and network analysis”

010 Review for Island Press, Toor and Havlick, Transportation & Sustainable Communities, 2nd Edition, manuscript.

Human Ecology – Peer Reviewer – “The production of Palm Wine and Related Pressure on the Ecosystem by Masango Ethnic Group in Gabon”

International Regional Science Review – Peer Reviewer – “How Do Office Firms Conduct Their Location Search Process: an Analysis of a survey from the Greater Toronto Area”

Applied Geography Conference Proceedings, Peer Reviewer, unnamed manuscript on environmental impacts of poultry litter

2009 Human Ecology – Peer Reviewer – “The production of Palm Wine and Related Pressure on the Ecosystem by Masango Ethnic Group in Gabon”

International Regional Science Review – Peer Reviewer – “How Do Office Firms Conduct Their Location Search Process: an Analysis of a survey from the Greater Toronto Area”

Applied Geography Conference Proceedings, Peer Reviewer, “Analyzing the Effects of Big-box Stores on a Specialty Retailer”

2008 International Regional Science Review, Peer Reviewer, “office location decisions in the Greater Toronto Area: an overview of the design and analysis of a survey”

Environment and Planning A, Peer Reviewer, “ A Dynamic School Network Planning Approach with Free School Choice”

Ecological Modeling, Peer Reviewer, “Spatial Analysis of Rapid Urban Growth at Local Community Scale”

2007 Review for McGraw Hill, Dent, Cartography: Thematic Map Design, 6th Edition, manuscript

Ecological Modeling, Peer Review, “ECOMOD1870, Estimating carrying capacity for sandhill cranes using habitat suitability modeling and spatial optimization

2005 Tourism Management, Peer Review, "Network characteristics of drive tourism destinations: application of network analysis in tourism."

2004 International Journal of Geographic Information Science, Peer Review, "Cartographic Support for Locational Problem Solving”

Environmental Modeling and Assessment, Peer Review, "A combined hydrologic simulation and reserve design model to prioritize sites for wetlands restoration”

Geographical Analysis, Peer Review, "Incorporation of Spatial Configuration in Land Allocation: A Threshold Approach”

Computers and Operations Research, Peer Review, " Siting Park & Ride Facilities Using a Multiobjective Spatial Optimization Mode”

2001, Grant Reviewer, US-EPA, Office of Research and Development, STAR FUTURES - Socioeconomic Causes and Consequences of Future Environmental Changes, Washington DC

Supervision of Student Research and Thesis Projects

Master's Theses and Projects

2015 Nicholas Mucha	The Demand for Change: A Study of Recreational Amenities for Ramona Park, Portage, MI
2015 Alexander Ebenstein	Using an Interactive Mobile Application to Crowdfund Management Issues in the Asylum Lake Preserve, Kalamazoo, MI
2014 Ross Crawford -	Salmonid Habitat Restoration on the Chocoday River, Michigan
2014 Anne Santa Maria -	Managing Dispersed Recreation in the Allegheny National Forest
2013 Juli Tripicchio –	Roatan Honduras and Perceptions of Divers' Location Choices in the Caribbean
2010 Michael DeMory -	“Heritage Water Trail: A Feasibility Study on Cedar Creek”
2010 Cari DeLong -	“Management of the Forest Habitat in Asylum Lake Preserve, Kalamazoo, Michigan Under Pressures of Projected Climate Change”
2010 Malvika Parmar -	“The Role of Women in Community Development in Slums: a Case Study of Jaipur, India”
2009 Margaret Spyker (Tembo) -	“Planning for Quality of Life – Searching for Sustainable Residential Landscapes”
2008 Anna Cutrim -	“Rural Tourism as an Alternative to Rural Development in the State of Para, Brazil”
2008 Jay Eichstaedt -	“The Hope of a New College Town at Western Michigan University Through

- Mixed-Use Development and Creation of a Student Consumer District”
- 2008 Eric Kearny - “Prospects and Limitations for Ecocultural Tourism in the City: Developing an Urban Heritage Water Trail on the Portage Creek”
- 2007 Joe Lane - “Spatial Analysis of Great Lakes Ferry Systems”
- 2005 Ben Scarp - “Michigan Heritage Water Trails: A Feasibility Study for Pine Creek and Nottawa Creek, Athens Michigan”
- 2005 Erin Fuller - “Black River Watershed Management Plan”
- 2004 Tim Peterson - “Paddling Through History: A Plan for Heritage Water Trails in St. Joseph County, Michigan
- 2003 Jonathan Marsch - “Shoreline Perceptions and Planning of Five Lakes in Southwestern, Michigan”
- 2002 Elizabeth Heiny-Cogswell - “Roots and Shoots of the H. Dan Heyn Vision: Indigenous Planting Design, 1950-1980
- 2001 Rosita Abdul-Manup - “Adapting the Habitat for Humanity Model to Sabah, Malaysia”
- 2000 Dan Hoffman - “Relationships Between Cover Change and Breeding Birds in Kalamazoo County, Michigan”
- 1999 Theresa Mau Crimmins - “The Educational Nature Center Reserve : Selecting a Prairie Reserve Location for th e Kalamazo Nature Center”
- 1999 Peter Eldridge - “A Comparative Analysis of the Community Goals and the Codified Code of Ordinances for the City of Portage, Michigan

Senior Honors Theses

- 1999 Sarah Wieland - “Farmland Protection in the United States: Concentration on Programs in Michigan”
- 2004 Lindsay Gwyther - Surveillance of the Balto-Finnic Speakers: A Geolinguistic Inquiry”

Memberships in Professional Organizations

Association of American Geographers
American Institute of Certified Planners
American Planning Association
Michigan Society of Planning
Michigan Botanical Society
National Speleological Society
Wild One's (Native Plant Society)

Other relevant Professional activities

The French in North America – two panel displays in the Waldo Library – “An Enduring Presence”

Websites and Phone Apps

Michigan Heritage Water Trails www.wmich.edu/glcms/watertrails

Lake Michigan Water Trail

http://www.wmich.edu/glcms/fin1/static_maps_top.html

Lake Michigan Water Trail App Google Playstore

Heritage Water Trail Outreach Activities

Director of the Michigan Heritage Water Trail Program at the Great Lakes Center for Maritime Studies at Western Michigan University.

Michigan Representative to the Lake Michigan Water Trail

Pilot Water Trails:

River Country Heritage Water Trails - 50 miles completed - Summer 2004

Bangor - South Haven Heritage Water Trail

Tip of the Thumb Coastal Heritage Water Trail

Kalamazoo Watershed Heritage Water Trails

Other Water Trail Activity and Consulting

Michigan Heritage Water Trail Statewide Meetings

Quiet Waters Symposia

Grand River Heritage Water Trails (Jackson, Eaton Rapids, Portland, Grand Rapids, Grand Haven)

Saginaw County Water Trails

Headwaters Water Heritage Trail (Oakland County)

Huron River

Hiawatha Water Trail (Big Bay- Grand Marais) - Lake Superior

Detroit River

Union City Heritage Water Trail